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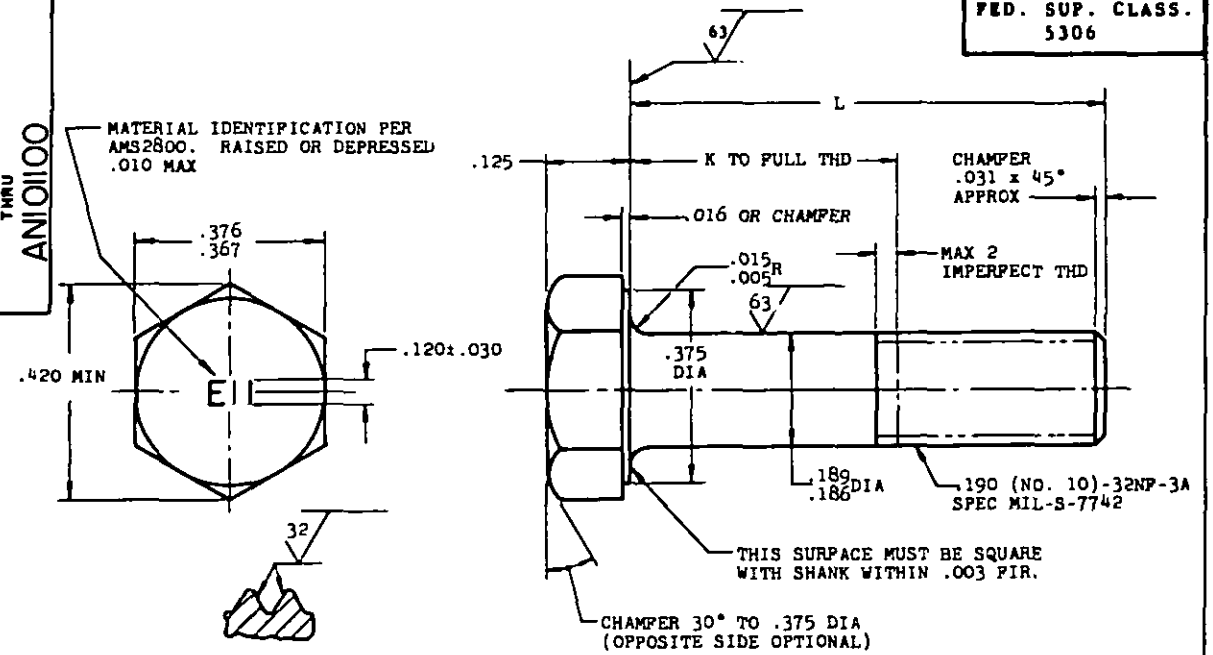
NOTE: This drawing was approved by joint action of the Air Force and Navy Departments on the Air Force-Navy aeronautical standard for this product. This drawing supersedes all associated standard drawings for the same product and shall become effective for the procurement of aeronautical supplies, or for use in new designs, not later than 6 months after the latest date of approval above.

AN101001 THRU AN101100

FED. SUP. CLASS. 5306

MATERIAL IDENTIFICATION PER AMS2800. RAISED OR DEPRESSED .010 MAX



SECTION THRU THREAD PROFILE

L	K +.000 -.060	PART NO.	L	K +.000 -.060	PART NO.	L	K +.000 -.060	PART NO.	L	K +.000 -.060	PART NO.
			1.062	.500	AN101017	2.500	1.938	AN101032			
			1.125	.562	AN101018	2.625	2.062	AN101033			
			1.188	.625	AN101019	2.750	2.188	AN101034			
			1.250	.688	AN101020	2.875	2.312	AN101035			
.375	(a)	AN101006	1.312	.750	AN101021	3.000	2.438	AN101036			
.438	(a)	AN101007	1.375	.812	AN101022	3.125	2.562	AN101037			
.500	(a)	AN101008	1.438	.875	AN101023	3.250	2.688	AN101038			
.562	(a)	AN101009	1.500	.938	AN101024	3.375	2.812	AN101039			
.625	(a)	AN101010	1.625	1.062	AN101025	3.500	2.938	AN101040			
.688	.125	AN101011	1.750	1.188	AN101026	3.625	3.062	AN101041			
.750	.188	AN101012	1.875	1.312	AN101027	3.750	3.188	AN101042			
.812	.250	AN101013	2.000	1.438	AN101028	3.875	3.312	AN101043			
.875	.312	AN101014	2.125	1.562	AN101029						
.938	.375	AN101015	2.250	1.688	AN101030						
1.000	.438	AN101016	2.375	1.812	AN101031						

(a) THREAD TO HEAD. MAXIMUM TWO IMPERFECT THREADS.

NOTE: (1) SHANK SHALL BE STRAIGHT WITHIN .004 FIR. PER INCH OF BOLT LENGTH.
(2) THE CONCENTRICITY OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .006 FIR.
(3) THE CONCENTRICITY OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND HEXAGON SHALL BE WITHIN .011 FIR.

MATERIAL: STEEL AMS6322

HARDNESS: ROCKWELL C26-32

FINISH: CADMIUM PLATE AMS2400

SURFACE ROUGHNESS: AS107

MANUFACTURING SPECIFICATION: AMS7452

(3) INSPECTION: ALL PARTS SHALL UNDERGO MAGNETIC INSPECTION IN ACCORDANCE WITH AMS2640.

BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED: TOLERANCES; LINEAR DIMENSIONS ±.010, ANGULAR DIMENSIONS ±2°.

DO NOT USE UNASSIGNED PART NUMBERS.

INACTIVE FOR NEW DESIGN AFTER 3 MARCH 1969 NO SUPERSEDING STANDARD.

THIS STANDARD WAS DEVELOPED COOPERATIVELY BY THE ENGINE AND PROPELLER UTILITY PARTS COMMITTEE OF THE SAE.

APPROVED 8 June 49 REVISED (2) 11 Aug 54 (1) 3 Mar 69 (3) 30 June 1986

P.A. AF-11 CUST. NAVY-AS ARMY-AV	AIR FORCE-NAVY AERONAUTICAL STANDARD BOLT - HEX HEAD, .190-32	AN101001 THRU AN101100